

Manual and installation instructions for Ecosun radiation panels.

The electric Ecosun radiation panels are a very comfortable and energy-efficient source of heating.

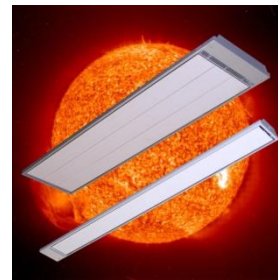
They can be hung up at a height of between 2.5 metres and 8 metres.

The panels fall within Class I, IP 44 and are LCIE-approved (411 696, 411 856 and 411858).

Materials in the direct vicinity of the installed panels must be able to tolerate a temperature of 60°C.

The Ecosun panels can be used very well in:

- Offices and schools.
- Showrooms and cultural buildings.
- Laboratories.
- Shopping centres
- Factory buildings.

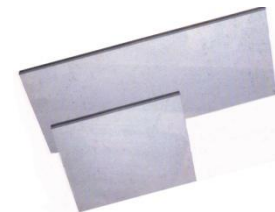


The Ecosun panels can be divided into two groups:

- The low-capacity panels are for heights of between 2.5 and 3 metres.
- The high-capacity panels are for heights of between 5 and 8 metres.

The advantages of the use of Ecosun radiation panels are as follows:

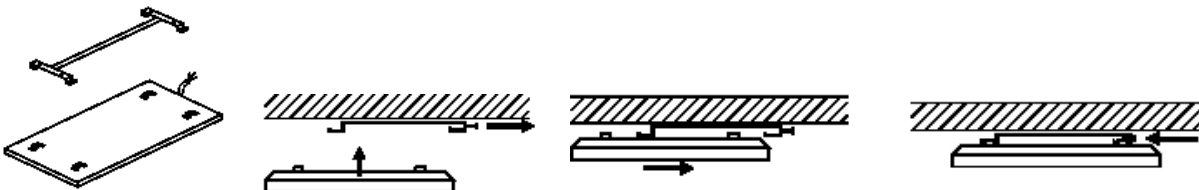
- Lower energy costs compared with conventional heating systems.
- The radiant heat results in no air displacement and thus no displacement of dust.
- The radiant heat means that people suffering from problems with their airways (bronchitis) have no problems with dust.
- Even horizontal distribution of heat.
- Noiseless.
- No-maintenance.
- Environmentally-friendly.
- Long useable life.



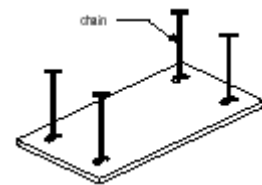
The low and high-capacity panels have been treated with a special coating that radiates the heat better.

The **low-capacity panels** can be attached to the ceiling in a variety of ways. The following diagrams show how.

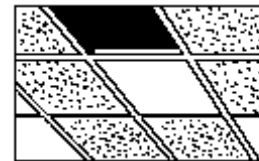
- Attachment to ceiling by means of the supplied bracket, see diagrams.



- Attachment to ceiling by means of chains.



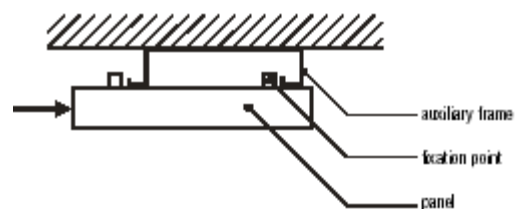
- Attachment of the panels in a standard ceiling system. The panels are specially made to measure.



The panel requires 230V power and comes with a one-metre long three-core cable.

The temperature can be regulated easily by means of a thermostat and must be positioned at a distance of approx. 1.5 to 1.8 metres.

The **high-capacity panels** can be attached in two ways; one way is by using the supplied frame, or the panel can be suspended from the ceiling using chains.



The following points must be taken into account with regard to installation:

- The temperature of the radiating surface of the panel can reach up to 380°C, so no objects may be placed within a metre of the panel.
- There must be 10 cm of free space on the upper side of the panel.
- The panel must be positioned at least 1.5 metres from the wall.
- The minimum distance from the floor is 3.5 metres.

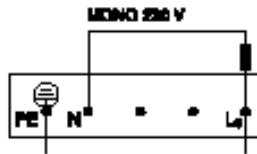
The distance between the panels to be installed must be at least the same distance of the height at which the panels are to be suspended.

The voltage is 230V, while for the SB18-24 and the SB30/36 the voltage can also be 400V.

Possible connection diagrams are as follows:

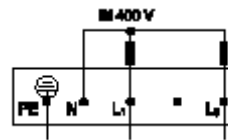
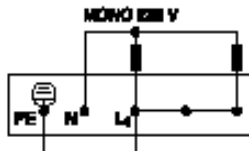
SB09-12

Mono 230V



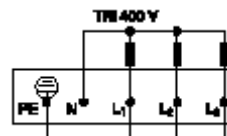
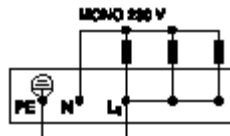
SB18-24

230V/400V



SB30-36

230V/400V



For the purposes of maintenance, it is important to know that the **radiating surface should never be cleaned**, as this could damage the special coating of the high-capacity radiation panel.